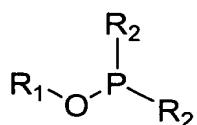


CLAIMS:

1. A method for preparing phosphoroamidite with a reagent of a compound represented by the general formula [1],

[General Formula 1]

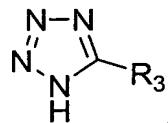


[1]

wherein R_1 represents an alkyl group having 1 to 4 carbon atoms, an alkyl group having 1 to 4 carbon atoms substituted by a cyano group or an alkyl group having 1 to 4 carbon atoms substituted by a silyl group; and R_2 represents an amino group substituted by an alkyl group having 2 to 5 carbon atoms or an alicyclic amino group having 4 to 7 carbon atoms,

wherein a substituted tetrazole represented by the general formula [2] is used as a reaction activator,

[General Formula 2]



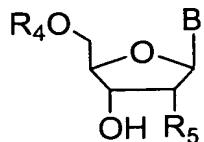
[2]

wherein R_3 represents an alicyclic alkyl group having 1 to 6 carbon atoms, an aryl group substituted by an alkyl group having 1 to 4 carbon atoms or an unsubstituted aryl group.

2. The preparation method according to claim 1, wherein phosphoroamidite represented by the general formula [4] is synthesized by using a nucleoside derivative

represented by the general formula [3] as a raw material,

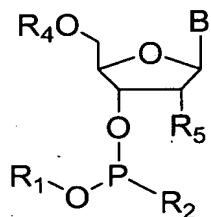
[General Formula 3]



[3]

wherein R₄ represents a protecting group of a hydroxyl group; R₅ represents a hydrogen atom, a halogen atom, an alkyl group having 1 to 4 carbon atoms or a substituted hydroxyl group; and B represents a nucleic acid base or a protected nucleic acid base,

[General Formula 4]



[4]

wherein R₁, R₂, R₄, R₅ and B represent the same as those described above.

3. The preparation method according to claim 1 or 2, wherein R₃ in the general formula [2] is a phenyl group.

4. The preparation method according to any one of claims 1 to 3, wherein, in the general formula [1], R₁ is a cyanoethyl group and R₂ is a diisopropylamino group.

5. The preparation method according to any one of claims 2 to 4, wherein, in the general formulae [3] and [4], R₄ is a 4,4'-dimethoxytrityl group, R₅ is a hydrogen atom and B is a 1-thymine group, an N4-benzoyl-1-cytosine group, an N6-benzoyl-9-adenine

group or an N2-isobutyryl-9-guanine group.